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ಉಳಿ 265600 ಉಳಿಕೆ

Executive Engineer
Vijayanapura Division
Yelanka Zone, B.B.M.P.
Bangalore-560092

2/6/16

2/4

SBRNO-57/16-17
Dt: 25-6-16

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265501

Serial No. 1st and final Bill BR-205/27-6-16

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency Ashwathnarayan, Contractor, Bl lore

Date of commencement of work D.O. Receipt: 20/06/2016

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work:- Imp. to Roads and drains at Singapura in Ward no. 11, Vidyaranyapura Sub-Division						
	Estimated cost Rs 40.00 Lakh.						
	WB. no - 011-16-000005						
	Work order no - EE/BTM/BBMP/E-proc/03(17825)/WO/322/2015-16 dt. 24-03-2016						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Date of commencement = 25.03.2016						
	Date of completion = 30-05-2016						
(1)	Earthwork Excavation by manual means ordinary soil, involving an average horizontal throw upto 2m and an average lift upto 0.30m, Excavated surface levelled and sides neatly dressed, the disposed Earth to be levelled neatly after breaking of clods etc complete as per specifications and directions of Engineer-in-charge work.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
(2)	Providing and laying of Concrete of mix 1:4: aggregate @ 0.85 m³ a machine mixed, Co 15cms thick well	

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epth 6	Contents 7	Reference to last Measurement 8

ernin ordinary
throw up to
Excavated surface
e disposed
breaking of
ches and directly

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265502

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions 1 Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			Qty vide this MB. p.no 265571				
			Total (1) = 414.40 m³				31050.00
			@ 75/-				
(2)	Providing and laying in position plain cement concrete of mix 1:4:8 with 43 grade ordinary Portland cement @ 180 kgs aggregate @ 0.85 m³ and fine aggregate @ 0.57 m³ machine mixed, concrete laid in layers not exceeding 15 cms thick well compacted in foundation and plinth,						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including cost of all materials, labour, hire of machinery, conveyance complete as per specifications and directions of Engineers-in-charge of the work.						
						Qty as per this MB. p.no 265575	
						At no (1) - 409.88 m³	18,64,954.00
						@ 4550/m³	
	3) Providing and laying cement concrete using 20 mm and down size granite jelly of Ready mixed concrete (RMC) for RCC works in 150 mm thick layers and well compacted, vibrating, curing						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	finishing with RCC works and complete with all (exclusive of Charges) Road restoration, Right foundations, secondary Beam and directions of

OK

Depth 6	Contents 7	Reference to last Measurement 8
om of machine ting and directly		
this MB. p.no 265575 (2) - 409.884 m^3 18,64,954.50 @ 4550 $/m^3$ using 20 mm ready mixed ed in 15 cms vibrating, curing		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265503

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	finishing with necessary cement mortar, forms work and scaffoldings to withstand proper of concrete with all lead and lifts etc complete (exclusive of cost of steel and fabrication charges) Read mixed concrete M-20-(1:1.5:3) for Raft foundations, column footings, plinth and secondary Beams etc complete under specifications and directions of Engineer-in-charge of Work.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2 "Singapura - Gutte"	3	4	5	6	7	8
	(a) Cross-Road - (1)	1	26.70	$\frac{6.0+6.0}{2}$	0.10	= 16.02 m^3	
	(b) Passage	1	16.40	$\frac{4.3+4.3}{2}$	0.12	= 8.21	
		1	9.10	$\frac{1.6+1.6}{2}$	0.10	= 1.46 m^3	
	ಸ.ಅ. (ಬಾ.ವ) 29/6	1	4.30	$\frac{2.9+2.9}{2}$	0.10	= 1.25	
		1	10.30	$\frac{1.45+1.25}{2}$	0.10	= 2.03	
	(c) Cross-Road - 2	1	30.40	$\frac{7.25+6.05}{2}$	0.10	= 20.70	
		1	28.40	$\frac{6.05+5.6}{2}$	0.10	= 14.71	
	(d) Cross-Road - 3	1	12.50	$\frac{2.6+3.1}{2}$	0.10	= 3.51	
		1	30.40	$\frac{3.1+3.7}{2}$	0.12	= 12.24	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	(e) Cross-Road - 4 ಸ.ಅ. (ಬಾ
	(d) Cross-Road - 5
	(g) Cross-Road - 6

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h	Depth 6	Contents 7	Reference to last Measurement 8
6.0/2	0.10	= 16.02	
1.3/2	0.12	= 8.21	
1.6/2	0.10	= 1.46	
2.5/2	0.10	= 1.25	
5+2.5/2	0.10	= 2.03	
7+6.05/2	0.15	= 20.70	
5+5.6/2	0.10	= 14.71	
4.3/2	0.10	= 3.31	
13.7/2	0.12	= 12.24	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265504

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Checked.						
	(e) CRoss-Road - 4	1	30.00	3.7+4.4/2	0.10	12.15	
		1	14.00	3.3+3.0/2	0.10	4.41	
		1	30.00	3.0+4.0/2	0.10	= 10.50	
	(d) CRoss-Road - 5	1	31.00	4.2+5.3/2	0.15	= 14.73	
	(g) CRoss-Road - 6	1	30.00	4.5+5.0/2	0.12	= 17.10	
	CRC Measured 20/6	1	30.00	5.0+5.3/2	0.10	= 16.00	
		1	23.00	5.7+6.0/2	0.12	= 13.46	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(b) - CROSS-ROAD -7	1	30.00	6.7+5.4/2	0.10	= 18.157	
		1	30.00	5.4+4.7/2	0.12	= 18.18	
		1	8.00	4.7+4.6/2	0.10	= 3.72	
	(c) CROSS-ROAD - 8	1	32.70	3.0+5.8/2	0.10	= 13.92	
	(d) CROSS-ROAD - 9	1	30.00	7.1+3.6/2	0.10	= 16.13	
		1	17.00	3.6+5.7/2	0.10	= 9.06	
		1	30.00	4.0+4.1/2	0.10	= 12.105	
		1	38.00	4.5+4.4/2	0.10	= 16.91	
						276.65 m³	
				47	Lo	276.00 m³	1518000.00
						@ 5500/m³	

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Serial No. .....
Name of Work ..... Fr
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
4)	Vacuum Dewatering mat and manpa... with Hoating disc ... Hom of machinary ... floater, blade a... specification and ... the work.	
	(5) CROSS-ROAD -1	

Contents 7	Reference to last Measurement 8
18.154	
18.18	
3.72	
13.92	
16.13	
9.00	
12.16	
169	
276.654	1518000.00
76.00	
0.4	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265505

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
4)	Vacuum Dewatering with vacuum pump and suction mat and manipulating with steel floater clubbed with floating disc including costing generation from mechanically operated driving power floater, blade and disc etc complete as per specification and directions of Engineer-in-charge of the work.						
	① Cross-Road - 1	1	26.70	$\frac{6.0+6.0}{2}$		= 160.20	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(b) Passage . .	1	16.00	$\frac{4.3+4.30}{2}$		= 68.80	
		1	9.10	$\frac{1.6+1.60}{2}$		= 14.56	
		1	4.30	$\frac{2.90+2.90}{2}$		= 12.47	
		1	10.30	$\frac{1.45+2.50}{2}$		= 20.34	
	(c) CROSS Road - 2	1	30.00	$\frac{7.75+6.05}{2}$		= 207.00	
		1	25.00	$\frac{6.05+5.60}{2}$		= 145.63	
	(d) CROSS - Road - 3	1	12.00	$\frac{2.60+3.10}{2}$		35.63	
		1	30.00	$\frac{3.10+3.70}{2}$		= 102.00	
		1	30.00	$\frac{3.70+4.4}{2}$		= 121.50	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	CROSS - Road - 4
	CROSS - Road - 5
	CROSS - Road - 6
	CROSS - Road - 7

OOK

Depth 6	Contents 7	Reference to last Measurement 8
4.30 / 2	= 68.80	
.60 / 2	= 14.56	
2.90 / 2	= 12.47	
2.50 / 2	= 20.34	
6.05 / 2	= 207.00	
5.60 / 2	= 145.60	
3.10 / 2	35.65	
3.70 / 2	= 102.00	
4.4 / 2	= 121.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265506

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	CROSS - Road - 4	1	14.00	3.20+3.00/2		= 44.10	
		1	30.00	3.00+4.00/2		= 105.00	
	CROSS - Road - 5	1	32.00	4.20+5.30/2		= 147.20	
	CROSS - Road - 6	1	30.00	4.00+5.0/2		= 142.50	
		1	30.00	5.00+5.70/2		= 160.50	
	CROSS - Road - 7	1	23.00	5.70+6.00/2		= 134.55	
		1	30.00	6.70+5.4/2		= 181.50	
		1	30.00	5.40+4.70/2		= 151.50	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	8.50	$\frac{4.70+4.60}{2}$		= 37.20 m^2	
	Cross - Road - 8	1	32.70	$\frac{3.40+5.50}{2}$		= 138.98	
	Cross - Road - 9	1	30.50	$\frac{7.10+3.65}{2}$		= 161.27	
		1	17.50	$\frac{3.65+7.50}{2}$		= 90.53	
		1	30.50	$\frac{4.00+4.1}{2}$		= 121.50	
		1	38.50	$\frac{4.50+4.6}{2}$		= 169.15	
		1	22.50	$\frac{3.50+3.20}{2}$		= 73.72	
						2747.27 m^2	
						@ 100/ m^2	2,74,727.00

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20/7

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
5)	Providing groove cutting and depth 80-100 mm generator and Hom cost of blade cool conveyance of all Light charges and al Pm drawing and an pavement ek compl	

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Depth 6	Contents 7	Reference to last Measurement 8
60	= 37.20 m²	
5.50	= 138.98	
69	= 161.25	
7.00	= 90.53	
	= 121.50	
4.6	= 169.15	
3.20 / 2	= 73.72	
	2747.27 m²	
	@ 100/m²	2,74,727.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265507

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
5)	Providg groove cutting for Width of 5mm to 10mm and depth 80-100mm includg cost of cutting, machine generator and Honing machinary includg cost of blade coolant etc includg costg conveyance of all materials, labour, load and Lift charges and all other incidental charges as per drawing and as per specification, concrete pavement etc complete as per specification						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross. Road - 1	2	6.00	-	-	12.00 m	
		4	4.30	-	-	17.20	
	Cross. Road - 2	6	6.00	-	-	36.00	
		2	3.00	-	-	6.00	
	Passage.	8	3.40	-	-	27.20	
	Cross. Road - 3	6	5.00	-	-	30.00	
		8	4.00	-	-	32.00	
	Cross. Road - 4	9	5.00	-	-	45.00	
	Cross - Road - 5	5	4.00	-	-	20.00	
	Cross Road - 6	6	4.50	-	-	27.00	
	7				Total	252.40 m	
					4 at 10	250.50 m	
					@ 125/4	31313.00	
					126	31563.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	(1) Lead for Disposal
	Carriage rate by
	at unloading on
	direction of Engineer

OK

Depth 6	Contents 7	Reference to last Measurement 8
-	12.00 m	
-	17.20	
-	36.00	
-	6.00	
-	27.20	
-	30.00	
-	32.00	
-	45.00	
-	20.00	
-	27.00	
Total	252.40 m	
to	250.50 m	
e 125/4	31313.00	
126	31563.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 265508

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
-	(b) Lead for Disposal of debris shall be payable at Carriage rate by mechanical mean including loading and unloading etc complete as per specifications & directions of Engineer-in-charge of the work						
	Qty as per-BQ = 414.00 m³						
	Add to					372.60 m³	27199.80
						e 73/4	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total - Rs 33,97,494-00	37,47,243-30

Certificate

(1) Certified that the contractor has done satisfactory.

(2) The contractor has removed the debris from work site.

(3) There is no any dept. materials issued to contractor.

22/06/2016

Assistant Executive Engineer
Vidyaranyapura Sub Division
Bangalore - 97

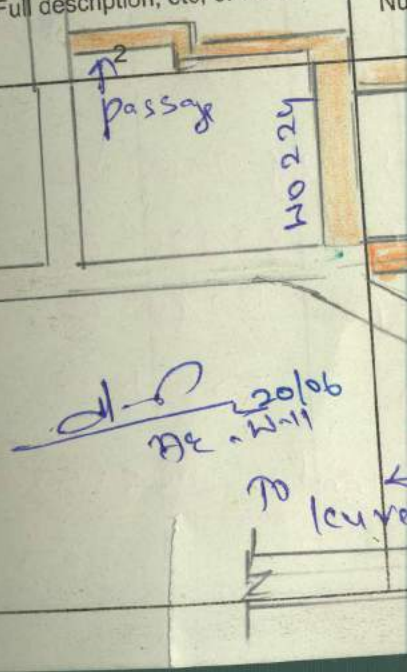
Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nu
1		



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h	Depth 6	Contents 7	Reference to last Measurement 8
		Total - Rs 33,97,494-00	37,49,243-30
		an Work	
		debris fm	
		ls issued to	
6		Assistant Executive Engineer Vidyaranyapura Sub Division Bangalore - 97	

M. A. R. 57 (Rule 116)

Measurement Book

No. B 265509

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	passage					W0333 Singapura Gate	INDEX C.C. Roads
	W0224						
	W0349					W0347	
	W0336						
	20/06 Dr. Wall						
	To Kempambudhi						
	Temple					W0363	

W0212 W0218

Assistant Executive Engineer
Vidyaranyapura Sub Division
Singapura Circle Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						IT - 37475-00	
						VAT - 14900-00	
						ACF - 37475-00	
						CBF - 3748-00	
						LC - 55021-00	
						Total - 283599-00	

Audited & Admitted to Rs 3747490-00

346 359/-00

and Rs 283599-00

Asst. Engr.
Accts. Sudol.
Byatarayanapura Dn. Byatarayanapura Dn.
BBMP BBMP

29/6

M.

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3